



ECTP

Focus Area

Quality of Life

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Vision

sustainable

harmonised

interaction of the built environment with

nature

and citizens.



the Challenges

- Construction activities – contribute to the Kyoto Protocol
- Efficient use of energy – operation of buildings, construction process
- Efficient use of raw materials – minimum of waste, maximum of recycling
- Preserve greenfield – reclaim existing brownfield and polluted sites
- Improve safety from natural hazards
- Improved indoor environment – knowledge of health aspect
- New concepts of protection against terrorism, industrial hazards, vandalism
- 0-accident for the sector



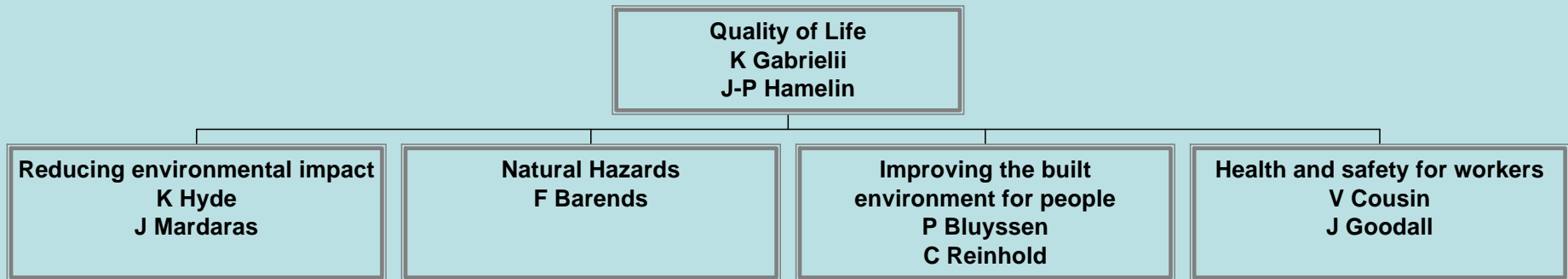
Structure

- Interaction of built environment with nature
 - WG1 : Reducing the environmental impact
 - WG2 : Natural hazards
- Interaction of built environment with citizens
 - WG3 : Improving the Built Environment for People
 - WG4 : Health and Safety for Workers



Organisation

Core group





Action plan

- November 3rd Core group meeting
- December 8th Focus Area meeting
- February 3rd Core Group meeting

Deliverables:

- *November 12th Vision 2030, SRA to Support Group*
- *December 14th Vision 2030, SRA to Support Group*
- *February 11th Vision 2030, SRA to Support Group*



WG1 – Reducing the environmental impact

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*Environmentally friendly construction sites as well as zero
waste construction activities*

Efficient use of all resources



Reducing the environmental impact - WG1

Key Objectives

- Materials Processing
- Construction
- Use and Practice
- Demolition and
Deconstruction





WG2 – Natural Hazards

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Integrated multidisciplinary hazard, vulnerability and risk assessment system for European countries

quantifying risk

monitoring hazards

mitigation measures

emergency procedures

awareness in society



WG2 : Natural hazards



Floods
Earthquakes
Flood waves
Landslides
Avalanches
Erosion



**European
statistics
1900-2000**

Hazard	Loss of life	Costs
45 floods	10,000	105 B€
1700 landslides	16,000	200 B€
32 earthquakes	239,000	325 B€

Europe is the continent with 2nd highest number of deaths due to landslides , and highest damage costs.



WG3 : Improving the Built Environment for People

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All buildings have a healthy indoor environment

-

No building related health problem

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Built environment is safe



WG3 : Improving the Built Environment for People

Health, comfort and safety

Improved understanding of impact of indoor environment on health, safety and comfort



increased productivity
reduced number of casualties in accidents and assaults
reduced sick leave and medical costs

by:

Harmonised holistic assessment methods from the human point of view
Innovative solutions for safe, comfortable and healthy environments, with participation of all stakeholders



WG4 : Health and Safety for Workers

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Safe Construction Sites -
Zero accidents

human science at the centre





WG4 : Health and Safety for Workers

Target 0-accident to be embraced by every European country

Construction records are poor
(1200 fatalities/yr and 845 000 accidents/yr)

Unacceptable social and economical costs
(16 billion €/yr)

Need to produce robust tools

The RTD approach: human science at the centre

Industry adopting a single point responsibility business attitude

European stakeholders platform to follow all rtd activities and
actors from start to end